Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/31/2020 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125077	0	2.72	125155	2.74
Blue	F	SSC	125000	123671	-2	3.85	124664	3.86
Blue	E	FITC	14203	13890	-3	3.16	302	14.76
Blue	D	PE	25703	25394	-2	2.83	550	10.33
Blue	B	PerCP-Cy5-5	42104	41588	-2	3.59	922	14.52
Blue	A	PE-Cy7	34646	34615	-1	4.79	494	28.75
Red	C	APC	49824	49008	-2	2.76	1501	11.12
Red	A	APC-Cy7	39773	38974	-3	2.77	729	11.57
Violet	B	V450	7447	7071	-6	3.90	392	12.36
Violet	A	V500	31193	29928	-5	3.64	682	9.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22129	2.92	555	-1	N/A	N/A	Pass
Blue	F	SSC	54013	3.33	511	-1	N/A	N/A	Pass
Blue	E	FITC	56	50.63	486	0	0.0436	55	Pass
Blue	D	PE	109	37.06	486	1	0.4261	281	Pass
Blue	B	PerCP-Cy5-5	179	33.95	577	0	0.0196	0	Pass
Blue	A	PE-Cy7	116	59.30	620	0	0.0224	0	Pass
Red	C	APC	346	23.38	566	-1	0.0292	84	Pass
Red	A	APC-Cy7	202	23.86	542	-2	0.0063	412	Pass
Violet	B	V450	88	37.46	455	6	0.0443	1014	Pass
Violet	A	V500	121	26.23	473	6	0.0244	218	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/31/2020 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-33.26	-33.01	0.94
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.37
Red	21.99	15.99 - 23.99	N/A	N/A	31.35	31.61	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 9742

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments